Ninth Conference on Proteolysis and Intracellular Protein Turnover

October 18 - 23, 1992; Williamsburg Virginia USA

Molecular Aspects of Proteolytic Enzymes and Inhibitors

Organizers: JS Bond, Virginia Tech, USA
AJ Barrett, Strangeways, UK

Topics will include:

ubiquitin-dependent proteinases
ATP-dependent proteases
multicatalytic endopeptidases / proteasomes
lysosomal cathepsins
membrane-associated enzymes
matrix metalloendopeptidases
signal and processing proteases
cytotoxic proteases
Inhibitors

Cellular Aspects of Proteolytic Systems and Mechanisms of Intracellular Proteolysis

Organizers: M Rechsteiner, Univ. Utah, USA
A Hershko, Technion Institute of Technology, Israel

Topics will include:

ubiquitin- pathways for degradation
lysosomal pathways
cytosolic mechanisms
endoplasmic reticulum pathways
processing pathways

Protein Turnover in Tissues/ Organisms, growth and development

Organizers: Darrel Goll, Univ Arizona, USA
John Ballard, Univ Adelaide, Australia

Topics will include:

muscle protein turnover
hormonal control
balance between synthesis and degradation
effects of diabetes and muscular dystrophy

Disease/Pathological Aspects of Proteolysis/Protein Turnover

Organizers: Bonnie Sloane, Wayne State Univ, USA
Hans Fritz, Univ Munich, Germany
Nobo Katunuma, Univ Tokushima, Japan

Topics will include:

metastases/Cancer
Alzheimers disease
sepsis / stroke
inflammation
AIDS inhibition

Proposed Speakers/ panel members: (Session organizers will present overviews; and ICOP committee members will organize special sessions)

Camilla Abraham	amyloid protein/ Alzheimers
Robert Beynon	protein turnover/ Muscular Dystrophy
Francesco Blasi	plasminogen activator/ cancer
Tom Blundell	aspartic protease/ structure
Wolfram Bode	other proteases/ structure
Frank Booth	muscle turnover
Ralph Bradshaw	growth factor processing
Aaron Ciechanover	ubiquitin pathway
Dennis Cunningham	protease nexins
Keld Dano	plasminogen activator receptor
Yves DeClerck	TIMP, tumor invasion
J Fred Dice	lysosomal pathway
William Duckworth	insulin degradation/ insulinase
Ben Dunn	aspartic proteases
Julie Fagen	cellular proteases and turnover
Joseph Fischer	protein turnover
Robert Gelfand	protein turnover/ diabetes
Alfred Goldberg	ATP proteolysis
Michael Goodman	muscle turnover
Michael Gottesman	cathepsin L/cancer
Morey Hagmond	protein turnover
P. Hasselgreen	protein turnover
Joel Huff	inhibitors/ HIV protease
Marianne Jochum	inflammation/ sepsis
George Kasperek	protein turnover/ exercise
John Kay	aspartic proteases
Hiroshi Kido	serine proteases/ HIV
Richard Klausner/Bonifacino	degradation in endoplasmic reticulum
Eiki Kominami	processing of proteins
Bruce Korant	viral proteases
Mark Lively	processing proteases
Lynn Matrisian	metalloproteinases/ cancer
Raymond MacDonald	kallikrein gene family
Gillian Murphy	TIMP/ collagenases/ cancer
Michael Rennie	muscle turnover
Michael Niedbala	inflammation
Jennifer Rivett	multicatalytic endopeptidase
Noel Roberts	inhibitors/ HIV
Harvey Rubin	antiproteases/ therapeutics
Guy Salvesen	matrix, metallo, elastase inhibitors
Allen Samarel	muscle protein turnover
Per Seglen	lysosomal pathway
Ora Smith	protein turnover/ diabetes
Don Steiner	precursor processing
Bill Stetler-Stevenson	collagenases/TIMP/ cancer
Frank Tomas	protein turnover/ growth factors
Jim Travis	neutrophil proteases/ emphysema
Jeremy Thorner	processing pathway
Alex Varshavsky	ubiquitin pathway
Klaus von der Heim	HIV proteases/ inhibitors
Lloyd Waxman	endothelin processing proteases
Zena Werb	matrix metalloproteases and tissue injury
Dieter Wolf	yeast pathways